

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	301	("136"/\$.ccls.)and(((titanium Ti) same (silver Ag))with(electrode))	US-PGPUB; USPAT	OR	ON	2006/06/05 14:28
L2	0	(thermionic)same(((titanium Ti) same (silver Ag))with(electrode))	US-PGPUB; USPAT	OR	ON	2006/06/05 14:28
L3	88	(thermionic)and(((titanium Ti) same (silver Ag))with(electrode))	US-PGPUB; USPAT	OR	ON	2006/06/05 14:36
L4	1	("6888296").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/05 15:41
L5	16	edelson.in. and thermionic	US-PGPUB; USPAT	OR	ON	2006/06/05 15:42
S31	1	("20050104512").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/05 08:09
S32	14	((("3740592") or ("4011582") or ("4063965") or ("5336547") or ("5917156") or ("6214651") or ("6225205") or ("20010046749") or ("6417060") or ("5722242") or ("5675972") or ("4039352") or ("5699668") or ("20030068431"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/16 10:45
S33	393	("313"/\$.ccls.)AND(piezo\$)	US-PGPUB; USPAT	OR	ON	2005/12/16 10:46
S34	10	("3740592"   "4011582"   "4063965"   "6214651").PN. OR ("6417060").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/16 11:23
S35	24	tavkhelidze.in.	US-PGPUB; USPAT	OR	ON	2005/12/19 13:30

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S36	80	("2510397"   "2915652"   "3021472"   "3118107"   "3169200"   "3173032"   "3194989"   "3238395"   "3239745"   "3267307"   "3267308"   "3281372"   "3300660"   "3328611"   "3376437"   "3393330"   "3470393"   "3515908"   "3519854"   "3578992"   "3843896"   "4004210"   "4039352"   "4224461"   "4281280"   "4410951"   "4423347"   "4667126"   "4937489"   "4958201"   "5028835"   "5049775"   "5083056"   "5119151"   "5229320"   "5233205"   "5247223"   "5307311"   "5332952"   "5351412"   "5356484"   "5374388"   "5410166"   "5465021"   "5487790"   "5521735"   "5592042"   "5675972"   "5699668"   "5701043"   "5722242"   "5810980"   "5874039"   "5973259"   "5981071"   "5981866"   "5994638"   "6064137"   "6084173"   "6089311"   "6281514").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/19 10:15
S37	697	(diode)AND((electrode collector emitter)same((housing tube tubular pipe)same(actuator piezo\$)))	US-PGPUB; USPAT	OR	ON	2005/12/19 14:20
S38	364	(62/3.1).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/19 10:26
S39	40	S38 AND (diode)	US-PGPUB; USPAT	OR	ON	2005/12/19 10:30
S40	2	(diode)near10((electrode collector emitter)same((housing tube tubular pipe cylinder ring)same(actuator piezo\$)))	US-PGPUB; USPAT	OR	ON	2005/12/19 10:47
S41	358919	(diode)same3((electrode collector emitter)same((housing tube tubular pipe cylinder ring)same(actuator piezo\$)))	US-PGPUB; USPAT	OR	ON	2005/12/19 10:48
S42	139	(diode)same((electrode collector emitter)same((housing tube tubular pipe cylinder ring)same(actuator piezo\$)))	US-PGPUB; USPAT	OR	ON	2005/12/19 12:31
S43	11	(diode.ti.)AND((electrode collector emitter)same((housing tube tubular pipe cylinder ring)same(actuator piezo\$)))	US-PGPUB; USPAT	OR	ON	2005/12/19 12:31
S44	71	(Borealis adj Technical)	US-PGPUB; USPAT	OR	ON	2005/12/19 13:46

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S45	1510	(313/310).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/19 13:47
S46	12	S45 and (piezo\$ actuator actuating)AND(thermionic (gap adj diode) thermotunneling (vacuum adj diode))	US-PGPUB; USPAT	OR	ON	2005/12/19 13:54
S47	1042	(310/306).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/19 13:54
S48	11	S47 and (piezo\$ actuator actuating)AND(thermionic (gap adj diode) thermotunneling (vacuum adj diode))	US-PGPUB; USPAT	OR	ON	2005/12/19 13:54
S49	10065	(piezo\$ with (cylinder ring tube tubular cylindrical))	US-PGPUB; USPAT	OR	ON	2005/12/19 14:21
S50	1501	(piezo\$ with (cylinder ring tube tubular cylindrical)with(electrode emitter collector))	US-PGPUB; USPAT	OR	ON	2005/12/19 14:21
S51	207	(piezo\$ with (cylinder ring tube tubular cylindrical)with(electrode emitter collector)with(axial longitudinal axis))	US-PGPUB; USPAT	OR	ON	2005/12/19 14:21
S52	178	(thermionic same ((electrode collector emitter)with(Ag silver titanium Ti silicon Si copper cu molybdenum Mo indium galium)))	US-PGPUB; USPAT	OR	ON	2006/06/02 13:40
S53	4	((gap adj diode) same ((electrode collector emitter)with(Ag silver titanium Ti silicon Si copper cu molybdenum Mo indium galium)))	US-PGPUB; USPAT	OR	ON	2005/12/20 08:40
S54	26	((gap adj diode) and ((electrode collector emitter)with(Ag silver titanium Ti silicon Si copper cu molybdenum Mo indium galium)))	US-PGPUB; USPAT	OR	ON	2005/12/20 08:45
S55	118	(piezo\$ with (cylinder ring tube) with quartz)	US-PGPUB; USPAT	OR	ON	2005/12/20 08:46
S56	795	(136/205,200).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/20 09:59
S57	1240	(62/3.2-3.3).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/20 10:00
S58	228	(438/380,141).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/20 10:00

## EAST Search History

S59	1	("6417060").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/02 10:40
S60	1	("20010046749").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/02 10:40
S61	723	((thermionic thermal)with(cathode electrode diode collector emitter anode))same(piezo\$electric (piezo with electric) PZT piezoelectric)	US-PGPUB; USPAT	OR	ON	2006/06/02 14:04
S62	405	((thermionic thermal)with(cathode electrode diode collector emitter anode))same(piezo\$electric (piezo with electric) PZT piezoelectric)	USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 14:04
S63	238	(diode (vacuum adj tube))same((housing tube house)with(extend\$4 adjust\$4)with length)	US-PGPUB; USPAT	OR	ON	2006/06/02 16:40
S64	752	(136/230).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/05 08:26
S65	132	("136"/\$.ccls.)and(piezoelectric PZT piezo\$electric (piezo with electric))	US-PGPUB; USPAT	OR	ON	2006/06/05 08:28
S66	80	("2510397"   "2915652"   "3021472"   "3118107"   "3169200"   "3173032"   "3194989"   "3238395"   "3239745"   "3267307"   "3267308"   "3281372"   "3300660"   "3328611"   "3376437"   "3393330"   "3470393"   "3515908"   "3519854"   "3578992"   "3843896"   "4004210"   "4039352"   "4224461"   "4281280"   "4410951"   "4423347"   "4667126"   "4937489"   "4958201"   "5028835"   "5049775"   "5083056"   "5119151"   "5229320"   "5233205"   "5247223"   "5307311"   "5332952"   "5351412"   "5356484"   "5374388"   "5410166"   "5465021"   "5487790"   "5521735"   "5592042"   "5675972"   "5699668"   "5701043"   "5722242"   "5810980"   "5874039"   "5973259"   "5981071"   "5981866"   "5994638"   "6064137"   "6084173"   "6089311"   "6281514").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/05 08:46
S67	2	("6720704").URPN.	USPAT	OR	ON	2006/06/05 09:37

## EAST Search History

S68	1	("6084173").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/05 09:37
S69	16	("4128732"   "4667126"   "4776895"   "5057162"   "5571339"   "5605171"   "5611870"   "5616186"   "5700332"   "5753050"   "5769964"   "5837929"   "5861226"   "5865906"   "5867990"   "6048173").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/05 13:27